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TS 5575 PCTNEW CLAIMS

1. Process for the preparation of medicinal white oil or a technical white oil from a Fischer-Tropsch derived paraffinic distillate bottom product, wherein said bottom product is contacted with a heterogeneous adsorbent.

5 2. Process according to claim 1, wherein the adsorbent is active carbon.

3. Process according to any one of claims 1-2, wherein a medicinal white oil is obtained having a kinematic viscosity at 100 °C of more than 8.5 cSt, a non-cyclic isoparaffins content of between 80 and 98 wt%, a Saybolt colour of greater than +30, Ultra violet adsorption spectra values as measured by ASTM D 2269 of less than 0.70 in the 280-289 nm spectral band, of less than 0.60 in the 290-299 nm spectral band, of less than 0.40 in the 300-329 nm spectral band and of less than 0.09 in the 330-380 nm spectral band as according to FDA 178 3620 ('c).

4. Process according to any one of claims 1-3, wherein said bottom product is obtained by:

20 (a) hydrocracking/hydroisomerising a Fischer-Tropsch derived feed, wherein weight ratio of compounds having at least 60 or more carbon atoms and compounds having at least 30 carbon atoms in the Fischer-Tropsch derived feed is at least 0.2 and wherein at least 30 wt% of compounds in the Fischer-Tropsch derived feed have at least 30 carbon atoms;

25 (b) separating the product of step (a) into one or more distillate fraction(s) of lower boiling fractions and a broad range base oil precursor fraction and a heavy

fraction such that the T90 wt% boiling point of the base oil precursor fraction is between 350 and 550 °C;

(c) performing a pour point reducing step to the broad range base oil precursor fraction obtained in step (b);

5 and

(d) isolating a heavy bottom distillate fraction by distilling the product of step (c).

5. Fischer-Tropsch derived medicinal white oil having a kinematic viscosity at 100 °C of more than 8.5 cSt.

10 6. Fischer-Tropsch derived medicinal white oil according to claim 5, wherein having a non-cyclic isoparaffins content of between 80 and 98 wt%, a Saybolt colour of greater than +30, Ultra violet adsorption spectra values as measured by ASTM D 2269 of less than 0.70 in the
15 280-289 nm spectral band, of less than 0.60 in the 290-299 nm spectral band, of less than 0.40 in the 300-329 nm spectral band and of less than 0.09 in the 330-380 nm spectral band as according to FDA 178 3620 ('c).